

INDIAN INSTITUTE OF HANDLOOM TECHNOLOGY
Bargarh/Fulia/Guwahati/Jodhpur/Salem/Varanasi/Champa/Kannur/KHTI-Gadag/SPKM-Venkatagiri
DIPLOMA IN HANDLOOM & TEXTILE TECHNOLOGY

REGULATION 2021 – CURRICULUM

SEMESTER - I								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Basic Science	BS101	Mathematics - I	2	1	0	3	3
2	Basic Science	BS105	Applied Chemistry	2	1	0	3	3
3	Humanities & Social Science	HS101	Communication Skills in English	2	0	0	2	2
4	Engineering Science	ES101	Engineering Graphics	0	0	3	3	1.5
5	Engineering Science	ES103	Engineering Workshop Practice	0	0	3	3	1.5
6	Basic Science	BS109	Applied Chemistry Lab	0	0	2	2	1
7	Humanities & Social Science	HS103	Sports and Yoga	0	0	2	2	1
8	Humanities & Social Science	HS105	Communication Skills in English Lab	0	0	2	2	1
9	Audit	AU102	Environmental Science	2	0	0	2	0
Total Credits							14	
SEMESTER - II								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Basic Science	BS102	Mathematics - II	3	1	0	4	4
2	Basic Science	BS103	Applied Physics	2	1	0	3	3
3	Engineering Science	ES102	Introduction to IT System	3	0	0	3	3
4	Engineering Science	ES104	Fundamentals of Electrical, Electronics Engineering	2	1	0	3	3
5	Engineering Science	ES106	Engineering Mechanics	2	1	0	3	3
6	Basic Science	BS107	Applied Physics Lab	0	0	2	2	1
7	Engineering Science	ES108	Introduction to IT System Lab	0	0	2	2	1
8	Engineering Science	ES110	Fundamentals of Electrical, Electronics Engineering Lab	0	0	2	2	1
9	Engineering Science	ES112	Engineering Mechanics Lab	0	0	2	2	1
Total Credits							20	




SEMESTER - III								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Programme Core	HTPC201	Textile Fibers	3	0	0	3	3
2	Programme Core	HTPC202	Yarn Manufacturing Technology	3	0	0	3	3
3	Programme Core	HTPC203	Handloom Weaving Technology	3	0	0	3	3
4	Programme Core	HTPC204	Fabric Structure – I	2	1	0	3	3
5	Programme Core	HTPC205	Chemical Processing of Textiles - I	3	0	0	3	3
6	Programme Core	HTPC206	Handloom Weaving Technology Lab	0	0	4	4	2
7	Programme Core	HTPC207	Fabric Analysis & Costing Lab - I	0	0	2	2	1
8	Programme Core	HTPC208	Chemical Processing of Textiles Lab - I	0	0	4	4	2
9	Internship	SI201*	Internship – I	0	0	0	0	2
Total Credits							22	
SEMESTER - IV								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Programme Elective	HTPE2**	Programme Elective - I	3	0	0	3	3
2	Programme Core	HTPC209	Weaving Technology - I	3	0	0	3	3
3	Programme Core	HTPC210	Fabric Structure – II	2	1	0	3	3
4	Programme Core	HTPC211	Chemical Processing of Textiles –II	3	0	0	3	3
5	Programme Core	HTPC212	Textile Testing - I	3	0	0	3	3
6	Programme Core	HTPC213	Colour Concept and Textile Design Lab	0	0	2	2	1
7	Programme Core	HTPC214	Weaving Technology Lab	0	0	4	4	2
8	Programme Core	HTPC215	Chemical Processing of Textiles Lab - II	0	0	4	4	2
9	Programme Core	HTPC216	Textile Testing Lab – I	0	0	3	3	1.5
10	Audit	AU202	Essence of Indian Knowledge and Tradition	2	0	0	2	0
Total Credits							21.5	

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SEMESTER - V								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Programme Elective	HTPE3**	Programme Elective - II	3	0	0	3	3
2	Programme Elective	HTPE3**	Programme Elective - III	3	0	0	3	3
3	Programme Core	HTPC301	Weaving Technology - II	3	0	0	3	3
4	Programme Core	HTPC302	Textile Testing - II	3	0	0	3	3
5	Open Elective	##	Open Elective - I	3	0	0	3	3
6	Programme Core	HTPC304	Jacquard Weaving & Computer Aided Textile Designing Lab	0	0	4	4	2
7	Programme Core	HTPC305	Textile Testing Lab - II	0	0	3	3	1.5
8	Projects	PR202	Minor Projects	0	0	4	4	2
9	Internship	SI301**	Internship – II	0	0	0	0	3
10	Audit	AU302	Indian Constitution	2	0	0	2	0
11	Humanities & Social Science	HS302	Seminar	0	0	3	3	1.5
				Total Credits				25
SEMESTER - VI								
Sl No	Category of Course	Code No	Course Title	Hours/week			Total credit Hrs/week	Credits
				L	T	P		
1	Humanities & Social Science	HS303	Entrepreneurship and Start-ups	3	1	0	4	4
2	Programme Elective	HTPE3**	Programme Elective - IV	3	0	0	3	3
3	Open Elective	##	Open Elective - II	3	0	0	3	3
4	Projects	PR302	Major Project	0	0	8	8	4
5	Programme Core	HTPC306	Fabric Analysis & Costing Lab - II	0	0	2	2	1
6	Programme Core	HTPC307	Handicraft Textiles & Handloom Tourism of India	3	0	0	3	3
				Total Credits				18

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DETAILS OF CREDIT DISTRIBUTION

Category	Credits Allotted	Credit required as per AICTE Norms
Humanities and Social Sciences	9.5	8
Basic Sciences	15	19
Engineering Science	15	15
Programme Core	52	45-50
Programme Elective	12	12-16
Open Elective	6	9-12
Summer Internship - I	2	2
Summer Internship - II	3	3
Minor Project	2	2
Major Project	4	4
Audit Course	0	0
Overall Credit	120.5	119

LIST OF PROGRAMME ELECTIVES (PE)

Programme Elective-I		Programme Elective-II		Programme Elective -III		Programme Elective-IV	
Code no.	Course Title	Code no.	Course Title	Code no.	Course Title	Code no.	Course Title
HTPE201	Textile Costing	HTPE301	Knitting Technology	HTPE304	Technical Textiles	HTPE307	Technological Developments in Handlooms
HTPE202	Garment Manufacturing Technology	HTPE302	Advanced Fabric Structure	HTPE305	Apparel Marketing and Merchandising	HTPE308	Traditional Handloom Textiles of India
HTPE203	Non-Woven Technology	HTPE303	Fashion Designing	HTPE306	Advances in Textile Processing	HTPE309	Home Textiles

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LIST OF OPEN ELECTIVES (OE)

Open Elective-I		Open Elective-II	
Code no.	Course Title	Code no.	Course Title
HTOE301	Product Design	HTOE305	Project Management
HTOE302	Introduction to E - Governance	HTOE306	Operations Research
HTOE303	Cyber Security laws, Standards and IPR	HTOE307	Internet of Things
HTOE304	Engineering Economics and Accountancy	HTOE308	Virtual Reality
HTOE309	Energy Conservations and Audit	HTOE311	Disaster Management
HTOE310	Renewable Energy Technologies	HTOE312	Marketing Management and Foreign Trade

***Internship — I (3-4 weeks)**

2 Credits

The internship with course code SI201 pertains to the 3rd semester. This shall be undertaken during the summer vacation at the end of 2nd semester. After completing the internship, the students shall submit the report to the faculty during the 3rd semester for assessment. This internship shall be undertaken in an industry/Govt. or Pvt. Certified Agencies which are in Social sector/ Govt. Skill Centers/Institutes/Schemes.

****Internship — II (4-6 weeks)**

3 Credits

The internship with course code SI301 pertains to the 5th semester. This shall be undertaken during the summer vacation at the end of 4th semester. After completing the internship, the students shall submit the report to the faculty during the 5th semester for assessment. This shall be undertaken in an industry only.

Major Project

4 Credits

PR302 Should be based on real/ live problems of the Industry/Govt./NGO/MSME/Rural sector or an innovative idea having the potential of a Start-up.

